

An Annotated List of Some Hawaiian Staphylinidae (Coleoptera)

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The following list, with the exception of two specimens, was compiled from material generously given to us by Dr. John W. Beardsley of the University of Hawaii. Part of it consists of new records from the Islands, others are probably new records but cannot be identified to species because the tropical staphylinid fauna is inadequately known. Some species may be endemics, but most are probably recent introductions. Some of the large conspicuous species, such as the unidentified species of *Thyreocephalus*, which is apparently common in manure, would not have been overlooked by the early collectors if they had already been present. All of the dung inhabiting species have likely been introduced in the past two hundred years. Cattle boats undoubtedly have been an excellent source of immigrant staphylinids because they provide constant breeding sites for manure inhabitants.

1. *Carpelimus senilis* (Sharp). Waipio, Oahu, light trap, 12-2-55, J. W. Beardsley; Naval Air Sta., P. H., Oahu 8-1944, light trap, Herms and Russell.
2. *Carpelimus* sp. Kuapa Pond, Oahu, 4-23-43, wet log, Y. Tanada.
3. *Carpelimus* sp. Ewa, Oahu, light trap, 9-14/20-65; Waipio, Oahu, 12-2-55, light trap, J. W. Beardsley.
4. *Oxytelus advenus* Sharp. Palolo, Oahu, 2-28-20, O. H. Swezey; Oahu, 12-3-38, Tantalus, Y. Kondo.
5. *Oxytelus* sp. Ewa, Oahu, 4-1-63, light trap, J. W. Beardsley; Waipio, Oahu, 12-2-55, light trap, J. W. Beardsley.
6. *Oxytelus* sp. Ewa, Oahu, 12-2-55, light trap, J. W. Beardsley.
7. *Oxytelus* sp. Waimanalo, Oahu, 6-60, cow manure, D. B. Habeck.
8. *Oxytelus* sp. Ewa, Oahu, 10-1-62, 12-2-55, light trap, J. W. Beardsley; Waipio, Oahu, 12-2-55, light trap, J. W. Beardsley; Kahala, Oahu, 10-17-47, poultry manure, Y. Tanada.
9. *Platystethus* sp. Olinda, Maui, 8-1926, F. Muir; Kaunakakai, Molokai, 8-6-1926, O. H. Swezey.
10. *Bledius* sp. Waipio, Oahu, 12-2-55, J. W. Beardsley.
11. *Osorius* sp. Kahua Ranch, Hawaii, 8-6-67, W. C. Mitchell.
12. *Lispinus quadratus* (Blackburn), **Renewed Status**. Niu, Oahu, 10-17-20, dead kukui, O. H. Swezey. This species, described by Blackburn (in Blackburn and Sharp, 1885:125) as *Lispinodes* (?) *quadratus*,

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- was synonymized with *impressicollis* Mutschulsky by Sharp (1908:539) probably on the authority of Fauvel, to whom he credited other synonymy. The single specimen before me answers perfectly to Blackburn's description. *L. impressicollis* was redescribed by Cameron (1930, Fauna Brit. India, Col. Staph. I, p. 60). Cameron states that in *impressicollis* the third segment of the antenna is half again as long as the second segment. In our specimen the second and third antennal segments are of equal length. Consequently, I feel that *quadratus* is a distinct species and probably endemic to the islands.
13. *Thoracophorus blackburni* (Sharp). Mt. Kaala, Oahu, 2000 ft 11-11-26, Sideroxylon, O. H. Swezey; Mt. Kaala, Oahu, 5-30-63, D. E. Hardy; Kahana, Oahu, 9-7-24, Swezey; Kainalu Gulch, Molokai, 4-9-63, D. E. Hardy; Kaumuohona, Oahu, 6-4-16, O. H. S.
 14. *Rugilus* sp. Manoa, Oahu, 8-2-27, at light, O. H. Swezey; Oahu Public Health Dept., 11-15-65, light trap, J. W. Beardsley; Honolulu Oahu, 4-69, light trap, J. W. Beardsley; Waipio, Oahu, 9-25-56, light trap, J. W. Beardsley.
 15. *Scopaeus* sp. Waipio, Oahu, light trap, 10-31-61, J. W. Beardsley.
 16. *Lithocharis ochracea* (Gravenhorst). Univ. of Hawaii, Honolulu, 11-12-65, light trap, J. W. Beardsley; Waipio, Oahu, 12-2-55, light trap, J. W. Beardsley; Waimanalo, Oahu, 3-16-67, E. F. Legner. This species is cosmopolitan in accumulated manure of domestic animals.
 17. *Astenus* sp. Ewa, Oahu, June 1960, light trap, June 1960; Waipio, Oahu, 11-30-55, 2-2-55, J. W. Beardsley.
 18. *Medon debilicornis* (Wollaston)? Ewa, Oahu, 12-2-53, light trap, J. W. Beardsley; Waipio, Oahu, 12-2-55, 4-1-63, light trap, J. W. Beardsley.
 19. *Philonthus longicornis* Stephens. Poamoho, Oahu, 11-9-49, rotten papaya, Y. Tanada; Waimanalo, Oahu, 6-60, cow manure, D. H. Habeck; Mt. Kaala, Oahu, 7-8-45, R. H. Van Zwauwenburg. Cosmopolitan in accumulated manure of domestic animals.
 20. *Philonthus discoideus* (Gravenhorst). Ewa, Oahu, 10-1-62, light trap, J. W. Beardsley; Waipio, Oahu, 10-25-62, 12-2-55, light trap, J. W. Beardsley, U. H. Campus, 5-20-46, poultry manure, Y. Tanada. Cosmopolitan in accumulated manure of domestic animals.
 21. *Philonthus rectangulus* Sharp. Ewa, Oahu, 10-1-62, light trap, J. W. Beardsley. This species was described from Japan. Early in this century it invaded Europe and the United States. Very recently it has been reported from Uruguay and Chile (Legner and Olton 1970, Hilgardia 40:225-226). It is found in accumulated manure of domestic animals.
 22. *Philonthus turbidus* Erichson. Univ. Hawaii, Honolulu, 4-60, H. Toba; Ewa, Oahu, 10-1-62, light trap, J. W. Beardsley; Aiea, Oahu, 8-19-44, light trap, Herms and Russell.
 23. *Philonthus* sp. Univ. Hawaii, Honolulu, 4-1960, light trap, H. Toba; Waipio, Oahu, 3-20-56, J. W. Beardsley; Haleakala, Maui, 10,000 ft,

- 4-6-, J. W. Beardsley.
24. *Gabrius* sp. Honolulu, Oahu, 11-24-50, O. Hata.
 25. *Phacolinus parumpunctatus* (Gyllenhal) complex. Ewa, Oahu, 11-26-61, light trap, J. W. Beardsley; Waipio, Oahu, Oct. 1960, J. W. Beardsley. *P. parumpunctatus* (Gyllenhal) has been reported as cosmopolitan in accumulated domestic animal manure. Coiffait (1972, Publ. Nouv. Rev. Ent. 2:161) states that there are probably several species reported under this name and that further study is necessary before they can be adequately separated.
 26. *Thyrecephalus albertisi* Fauvel. Waimanalo, Oahu, 6-60, cow manure, papaya, D. H. Habeck; Honolulu, Oahu, 1-3-50, lab reared, D. E. Hardy. This species was purposely introduced in 1947 and reported to be established in 1962 (Bess et al, Proc. Hawaii. Entomol. Soc. 17:371).
 27. *Thyrecephalus* sp. Kona, 12-22-50, S. Fukushima; Kipapa, Oahu, 4-65, E. J. Ford, Jr.; Punaluu, Oahu, 12-1-40, at light, E. C. Zimmerman.
 28. *Cilea* sp. U. H. Campus, Hon., Oahu, 10-5-64, 11-1-64, light, J. W. Beardsley. This species, as well as the two following possibly are undescribed endemics. This species has been reported previously in Hawaiian literature as *Tachyporus* sp. (Proc. Hawaii. Entomol. Soc. 5:272, 1923) and as *Tachinus* sp. (Williams, 1931:167).
 29. *Cilea* sp. Waipio, Oahu, 9-8-55, light trap, J. W. Beardsley.
 30. *Cilea* sp. Univ. Hawaii, Honolulu, 11-10-65, 10-24-65, J. W. Beardsley.
 31. *Oligota* sp. Ewa, Oahu, Apr. 1960, J. W. Beardsley; Univ. Hawaii, Honolulu, 10-20-65, light trap, J. W. Beardsley.
 32. *Oligota* sp. Honolulu, 11-18-46, *Carica papaya*, Y. Tanada; Pensicola (Honolulu), Oahu, 11-20-46, papaya, Y. Tanada; Poamoho, Oahu, 7-18-44, *Carica papaya*, Tanada.
 33. *Aleochara puberula* Klug. Honolulu, Oahu, 5-26-20, cow dung, T. D. Fallaway; Ewa, Oahu, 10-1-62, light trap, J. W. Beardsley; Waipio, Oahu, 12-28-55, light trap, J. W. Beardsley. Cosmopolitan in accumulated manure of domestic animals.

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